Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	06/27/2017 11:47 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124221	-1	1.41	124042	1.37
Blue	F	SSC	125000	123820	-1	3.39	124013	3.14
Blue	E	FITC	23355	22521	-4	2.40	1010	10.48
Blue	D	PE	28848	28238	-3	1.92	1026	9.74
Blue	B	PerCP-Cy5-5	47791	47105	-2	3.45	1354	16.36
Blue	A	PE-Cy7	41358	40402	-3	5.09	626	34.72
Red	C	APC	51316	50076	-3	2.74	2885	9.24
Red	A	APC-Cy7	53225	52438	-2	2.75	1085	11.10
Violet	B	V450	14473	13786	-5	3.98	661	9.12
Violet	A	V500	59973	58442	-3	3.68	2602	6.44

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19569	3.45	605	7	N/A	N/A	Pass
Blue	F	SSC	61575	1.52	539	5	N/A	N/A	Pass
Blue	E	FITC	112	43.61	539	-5	0.0205	397	Pass
Blue	D	PE	228	29.14	536	-2	0.1655	283	Pass
Blue	B	PerCP-Cy5-5	216	44.30	625	-5	0.0111	163	Pass
Blue	A	PE-Cy7	71	112.57	676	-5	0.0124	13	Pass
Red	C	APC	343	27.55	588	-6	0.0217	132	Pass
Red	A	APC-Cy7	118	40.70	568	-8	0.0057	1755	Pass
Violet	B	V450	81	40.03	467	-4	0.0412	1410	Pass
Violet	A	V500	189	21.00	499	-2	0.0136	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.01	-31.24	0.81
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.32
Red	19.03	13.27 - 19.91	N/A	N/A	31.24	31.85	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9571

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments